Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S32	100	((382/305.ccls. or 707/1,2,3,4,5,6, 7,8,9,10,100,101,102,103R,103Y, 103X,103Z,104.1.ccls.) and (video or "image sequence" or image-sequence or audiovideo or movie or (moving near2 pictures))) and ((content-based or "content based" or (content near based)) near query) or (QBIC or Query-By-Image-Content)	USPAT	OR	ON	2005/11/07 16:39
S81	5202	382/305.ccls. or 707/104.1.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/07 16:40
S83	1	S81 and S82	USPAT	OR	OFF	2005/11/07 16:41
S82	71	MPEG and ("intra image" or intra-image or intraimage)	USPAT	OR	OFF	2005/11/07 16:42
S86	1	S85 and S81	USPAT	OR	OFF	2005/11/07 16:43
S84	71	(MPEG (mov$4 near1 pictur$2 near1 expert$1 near1 group$4)) and ("intra image" or intra-image or intraimage)	USPAT	OR	OFF	2005/11/07 16:43
S87	1	"5761438".pn.	USPAT	OR	OFF	2005/11/07 16:57
S85	206	("intra image" or intra-image or intraimage)	USPAT	OR	OFF	2005/11/07 16:57
S89	73	(MPEG (mov$4 near1 pictur$2 near1 expert$1 near1 group$4)) and ("intra image" or intra-image or intraimage)	USPAT	OR	OFF	2005/11/08 11:28
S91	1	1999-143187.NRAN.	DERWENT	OR	ON	2005/11/08 11:29
S90	4	"9905611".pn.	EPO; DERWENT	OR	OFF	2005/11/08 11:29
S92	695	715/719-726.ccls.	USPAT	OR	OFF	2005/11/08 15:07
S1	211	382/305.ccls. and (video or sequence)	USPAT	OR	OFF	2005/11/08 15:07
S93	5349	("intra image" or intra-image or intraimage or (key near1 frame) or (I near1 frame))	USPAT	OR	OFF	2005/11/08 15:08
S88	208	("intra image" or intra-image or intraimage)	USPAT	OR	OFF	2005/11/08 15:08
S96	851	S95 and (search$4 query)	USPAT	OR	OFF	2005/11/08 15:18
S99	50	S97 and (S98 S92)	USPAT	OR	OFF	2005/11/08 15:23
S98	25457	"382"/$.ccls.	USPAT	OR	OFF	2005/11/08 15:23
S97	158	S95 and (query)	USPAT	OR	OFF	2005/11/08 15:23
S101	77	S100 and MPEG	USPAT	OR	OFF	2005/11/08 15:39

S95	1642	S94 and MPEG	USPAT	OR	OFF	2005/11/08 15:39
S94	3624	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame))	USPAT	OR	OFF	2005/11/08 15:39
S10 2	6	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) with ((search$4 query) near10 (content feature))	USPAT	OR	OFF	2005/11/08 15:56
S10 0	92	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) with (search$4 query)	USPAT	OR	OFF	2005/11/08 15:56
S10 3	8	("5428774" | "5758356" | "5852823" | "5870754" | "5892520" | "5911139" | "5918223" | "6119123").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/08 16:10
		382/100.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/09 16:09
S10 4	1	"6960975".pn.	US-PGPUB; USPAT	OR	ON	2005/11/14 13:25
		382/100.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/14 13:25
S10 6	161	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) and ((search$4 query) near5 (featur$4 content$2))	USPAT	OR	OFF	2005/11/16 14:23
S10 7	8	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) and ((search$4 query) near5 (featur$4 content$2) near5 (head$4 prefix$4))	USPAT	OR	OFF	2005/11/17 12:28
S10 9	3	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) and ((search$4 query) near10 (motion) near10 (head$4 prefix$4))	USPAT	OR	OFF	2005/11/17 12:29
S10 8	8	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) and ((search$4 query) near10 (featur$4 content$2) near10 (head$4 prefix$4))	USPAT	OR	OFF	2005/11/17 12:29
S11 1	5	"5600775".pn. "5794249".pn. "6009236".pn. "6134382".pn. "6549717".pn. "2001043792".pn. "2002085831".pn. "2002090207". pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 14:11

S110	5	"5600775".pn. "5794249".pn. "6009236".pn. "6134382".pn. "6549717".pn. "2001043792".pn. "2002085831".pn. "2002090207".pn.	USPAT	OR	OFF	2005/11/17 14:11
S112	8	"5600775".pn. "5794249".pn. "6009236".pn. "6134382".pn. "6549717".pn. "20010043792".pn. "20020085831".pn. "20020090207".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:01
S113	1	"6687318".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:02
S114	1	"6452970".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:11
S115	1	"6208768".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:12
S116	1	"6035073".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:13
S117	1	"6115503".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:14
S119	1	"6553139".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:15
S118	1	"6272254".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:15
S121	1	"6408025".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:16
S120	1	"6636637".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/17 16:16
S122	28	(US-5347312-$ or US-5481296-$ or US-5579471-$ or US-5644765-$ or US-5708767-$ or US-5708805-$ or US-5724579-$ or US-5751286-$ or US-5768447-$ or US-5794249-$ or US-5796434-$ or US-5819286-$ or US-5821945-$ or US-5893095-$ or US-5917958-$ or US-5987459-$ or US-6026389-$ or US-6061758-$ or US-6115717-$ or US-6138147-$ or US-6173287-$ or US-6192151-$ or US-6247031-$ or US-6332144-$ or US-6609134-$ or US-6611628-$).did. or (US-6792163-$ or US-6850249-$).did.	USPAT	OR	ON	2005/11/18 16:20
S125	10	S123 and S124	US-PGPUB; USPAT	OR	ON	2005/11/18 16:25
S123	21	S122 and index$4	US-PGPUB; USPAT	OR	ON	2005/11/18 16:25

S10 5	93	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) with (search$4 query)	USPAT	OR	OFF	2005/11/18 16:25
		S126 and ((search$4 query$4) near5 (content$ feature$4) near5 (prefix$4 index$4)	USPAT	OR	OFF	2005/11/18 16:34
S12 8	56	S126 and ((search$4 query$4) same (content$ feature$4) same (prefix$4 index$4))	USPAT	OR	OFF	2005/11/18 17:07
S12 9	1	"6195458".pn.	USPAT	OR	OFF	2005/11/19 10:19
S12 4	3631	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame))	USPAT	OR	OFF	2005/11/19 10:19
S13 0	10	("5245436" | "5283645" | "5519789" | "5767922" | "5778108" | "5835163" | "5864366" | "5956026" | "5959697" | "6005625").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/19 10:20
S12 6	1645	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) and (MPEG)	USPAT	OR	OFF	2005/11/19 10:26
S13 1	141	("intra image" or intra-image or intraimage or (key adj1 frame) or (I adj1 frame)) and (MPEG) and ((search$4 query$4) near10 (content feature))	USPAT	OR	OFF	2005/11/19 10:27
S12 7	16	S126 and ((search$4 query$4) near5 (content$ feature$4) near5 (prefix$4 index$4))	USPAT	OR	OFF	2005/11/19 10:28
S13 2	84	MPEG and ((search$4 query$4) near5 (content$ feature$4) near5 (prefix$4 index$4))	USPAT	OR	OFF	2005/11/19 10:29
S13 4	5	MPEG with ((search$4 query$4) near5 (content$ feature$4) near5 (prefix$4 index$4))	USPAT	OR	OFF	2005/11/19 10:30
S13 3	11	MPEG same ((search$4 query$4) near5 (content$ feature$4) near5 (prefix$4 index$4))	USPAT	OR	OFF	2005/11/19 10:30
S13 5	84	MPEG and ((search$4 query$4) near5 (content$ feature$4) near5 (prefix$4 index$4))	USPAT	OR	OFF	2005/11/19 11:11
S13 6	0	"0636994".pn.	EPO; DERWENT	OR	OFF	2005/11/19 11:12
S13 7	0	"EP0636994".pn.	EPO; DERWENT	OR	OFF	2005/11/19 11:14
S14 0	0	EP.frco.	EPO; DERWENT	OR	OFF	2005/11/19 11:15

S13 9	0	"0636994" and EP.frco.	EPO; DERWENT	OR	OFF	2005/11/19 11:15
S13 8	0	"0636994".frpn.	EPO; DERWENT	OR	OFF	2005/11/19 11:15
S14 1	0	EP0636994	US-PGPUB; USPAT	OR	OFF	2005/11/19 11:49
S14 3	1	"5635982".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/19 12:19
S14 2	1	"5963203".pn.	US-PGPUB; USPAT	OR	OFF	2005/11/19 12:19
S14 4	41	("5635982").URPN.	USPAT	OR	ON	2005/11/19 12:22
S14 5	6	("5635982" | "5708767" | "5719643" | "5767893" | "5767923" | "5963670").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 10:18
S14 6	1	"6549657".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 10:20
S14 7	1	"5748775".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 10:22
S14 8	1	"5835163".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:10
		S149 and (MPEG	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:11
S15 3	44	(content near5 (image video) near5 index$4).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:14
S15 1	771	(content near5 (image video) near5 index$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:14
S15 0	92	S149 and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:14
S14 9	434	(content near5 image near5 index$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:14
S15 2	269	S151 and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:15
S15 4	14	S153 and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:20
S15 6	255	(text near5 annotat$4) and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:49

S15 8	2	((text near5 annotat$4) same (search$4 query$4 retriev$4)) same (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:50
		((text near5 annotat$4) same (search$4 query$4 retriev$4) and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:50
S16 0	2	(((text$3 word) near5 annotat$4) same (search$4 query$4 retriev$4)) same (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:51
S15 9	82	(((text$3 word) near5 annotat$4) same (search$4 query$4 retriev$4)) and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:51
S15 7	52	((text near5 annotat$4) same (search$4 query$4 retriev$4)) and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:51
S15 5	36	QBIC and (MPEG)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:35
S16 1	0	(prefix$4 near10 signature) and (video near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:37
S16 2	1	(prefix$4 near10 (annotat$4 signature)) and (video near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:38
		(prefix$4 near10 (annotat$4 signature) and (video near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:38
		(prefix$4 near10 (meta$7)) and (video near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:39
S16 5	4	(prefix$4 near10 (meta-data metadata "meta data")) and ((video image) near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:40
S16 3	6	(prefix$4 near10 (meta$5)) and (video near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:40
		(prefix$4 near10 (meta$6)) and ((video image) near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:40
S16 4	7	(prefix$4 near10 (meta$5)) and ((video image) near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:42
S16 6	321	(head$4 near10 (meta$5)) and ((video image) near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:43

S16 7	10	(head$4 near5 (meta$5)) same ((video image) near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:45
S16 9	5228	((header heading) near5 meta$5)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:46
S16 8	231	(head$4 near5 (meta$5)) and ((video image) near5 (search$4 retriev$4 query$4 summar$6))	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:47
S17 0	200	(head$4 near5 (meta-data metadata "meta data")) same (video$4 imag$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:48
S17 1	63	(head$4 near5 (meta-data metadata "meta data")) same (video$4 imag$4) and MPEG	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:56
S17 3	2	(head$4 near5 (signature)) same (video$4 imag$4) same MPEG	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:57
S17 2	109	(head$4 near5 (signature)) same (video$4 imag$4) and MPEG	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 14:58
S17 6	9	("5019899" | "5347308" | "5410343" | "5465353" | "5504518" | "5546578" | "5623308" | "5659365" | "5708767").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 15:12
S17 5	32	("5870754").URPN.	USPAT	OR	ON	2005/11/21 15:12
S17 4	1	"5870754".pn.	US-PGPUB; USPAT	OR	ON	2005/11/21 15:12

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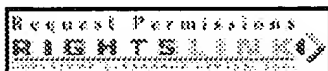‹ View Search Results | ‹ Previous Article |

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Content based video indexing and retrieval

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Abstract
Video management tools and techniques are based on pixels rather than perceived content. Thus, state-of-th
art video editing systems can easily manipulate such things as time codes and image frames, but they canno
"know," for example, what a basketball is. Our research addresses four areas of content-based video
management

Index Terms
Inspec

> **Controlled Indexing**
> indexing   information retrieval   visual databases

> **Non-controlled Indexing**
> content based video indexing and retrieval   image frames   pixels   state-of-the-art video
> editing systems   time codes   video management tools

Author Keywords
Not Available

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